

US Pat. App. No: 09/597,763

Conf. No: 5987

June 26, 2003

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A ceramic sheet,
(a) having a thickness of 50 μm or more,
(b) having a burr height on the periphery of the sheet of $\pm 100 \mu\text{m}$ or less, and/or having a dimple height on the surface of the sheet of $100 \mu\text{m}$ or less,
(c) said burr height and said dimple height being determined by irradiating the sheet with a laser beam to measure reflected light, and three-dimensionally analyzing said reflected light with a laser optical three-dimensional profiling instrument.
2. (Currently Amended) A ceramic sheet according to claim 1, further having [an] a waviness height on the surface of the sheet of $100 \mu\text{m}$ or less.
3. (Original) A ceramic sheet according to claim 1, comprising a zirconia ceramic.
4. (Currently Amended) A ceramic sheet according to claim 1, wherein said ceramic sheet [comprising] comprises a zirconia ceramic, said zirconia ceramic being partially stabilized with 2.8 to 4.5% by mole of yttria and comprising 0.1 to 2% by mass of at least one dispersed reinforcing oxide, wherein [the grain size on] the surface of [said] the sheet has an average grain size of 0.1 to $0.4 \mu\text{m}$, a maximum grain size of 0.4 to $0.8 \mu\text{m}$, and a coefficient of variation of 30% or less, said grain size being determined by scanning electron microscopic observation of the surface of the sheet.
5. (Original) A ceramic sheet according to claim 4, wherein said dispersed reinforcing oxide comprises at least one selected from the group consisting of oxides of Group 4A elements, Group 5A elements, Group 3B elements, and Group 4B elements, and wherein said sheet has a content of silica of 0.1% by mass or less and a total content of alkali metal oxides of 0.1% by mass or less.

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Claim 6 (Currently Amended) A ceramic sheet according to claim 1, which is a thin film sheet having a thickness of ~~10~~ 50 to 500 μm .

7. (Original) A ceramic sheet according to claim 1, which is for use in a planar solid oxide fuel cell.

Claims 8-15 (Cancelled)